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Approved for use through 10/31/2002. OMB 0651-0032 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 252011-2150							
First In	ventor	Wu et al.					
Title	Interconnect Structure with Dielectric Barrier and Fabrication Method Thereof						
Express Mail Label No. FV43868708511S							

<u> </u>						<u>⊃</u>
APPLICATION EI See MPEP Chapter 600 concerning utilit			ADDRE	ESS 1	Commissioner for	r Patents 280
APPL	ICANT REQUESTS E	ARLY PUBI	LICATIO	N UND	Alexandria, VA 22 DER 37 CFR 1.219 (addition	
1. X Fee Transmittal Form (e.g., PT (Submit an original, and a duplicate	TO/SB/17)		7.		CD-ROM or CD-R in duplicate, Program (Appendix)	
2. Applicant claims small entity sta	•		8.	Nucleoti	tide and/or Amino Acid Sequen icable, all necessary)	ce Submission
3. X Specification (preferred arrangement set forti	[Total Pages	26]		a.	Computer Readable	e Copy (CRF)
- Descriptive title of the in - Cross References to Re	vention elated Applications			b. ⁵	Specification Sequence Listing	on:
Statement Regarding Fe Reference to sequence computer program listing	listing, a table, or a				i. CD-ROM or	r CD-R (2 copies); or
- Background of the Inver - Brief Summary of the In	ntion			_	ii. Paper	
Brief Description of the 0 Detailed Description				с		g identity of above copies
- Claim(s)				ACCC	OMPANYING APPLIC	ATION PARTS
 Abstract of the Disclosu 	<i>r</i> e		9.	X	Assignment Papers (cover she	et & Documents(s))
4. X Drawing(s) (35 USC 113)	[Total Sheets	4]	1 7	<u> </u>	37 CFR 3.73(b) Statement (when there is an assignee)	Power of Attorney
Oath or Declaration	[Total Pages	2]	11.		English Translation Document	(if applicable)
a. X Newly Executed (original	al or copy)		12.		Information Disclosure Statement (IDS)/PTO-1449	Copies of IDS Citations
	cation (37 CFR §1.63(d)) nal with Box 18 completed	d)	13.		Preliminary Amendment	
			14.		Return Receipt Postcard (MPE (Should be specifically itemized	
1 1	OF INVENTOR(S) ment attached deleting inv	mentor(s)	15.		Certified Copy of Priority Docur (if foreign priority is claimed)	ment(s)
named in the	e prior application, 1.63(d)(2) and 1.33(b).	/entorte/	16.		Request and Certification unde 122(b)(2)(B)(i). Applicant must	
6. Application Data Sheet. See 3	37 CFR 1.76		17.		PTO/SB/35 or its equivalent. Other:	
	,					
Assignee Name and Address						
(if applicable) 18. If a CONTINUING APPLICATION,		x and supply	the requ	uisite in	nformation below and in a p	oreliminary amendment,
or in an Application Data Sheet under 3	37 CFR 1.76:		-			
		Continuation	n-in-par	t (CIP)	, , ,	on No: /
Prior application information: For CONTINUATION OR DIVISIONAL APPS only:	Examiner the entire disclosure of the p	orior application.	from which	n an oath	Group / Art Unit: _ or declaration is supplied under Bo	ox 5b, is considered a part of the
disclosure of the accompanying continuation or div inadvertently omitted from the submitted application	isional application and is her	reby incorporate	d by refere	ence. Th	nis incorporation can only be relied	d upon when a portion has been
	18. CORR	ESPONDE	NCE A	DDRE	SS	
Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Correspondence address below						
Thomas, Kayde	NAME Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P.					
	DDRESS 100 Galleria Parkway					
CITY Atlanta	STATE	Georgia			ZIP CODE	30339-5948
COUNTRY U.S.A.	TELEPHONE	770-933-9	3500		FAX	770-951-0933
Name (Print/Type) Da	niel R. McClure			Regis	stration No. (Attorney/Agen	at) 38,962
Signature	5-17	3			Date	2-21-04

PTO/SB/17 (10-03)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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EE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revisions.

METHOD OF DAVMENT Johnsk all that annive

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (s) 1274.00

Complete If Known **Application Number** Unassigned Filing Date March 26, 2004 First Named Inventor Wu et al. **Examiner Name** Unassigned Group / Art Unit Unassigned Attorney Docket No. 252011-2150

		ЕНТ (спеск ан тат арргу)	4				ULATION (continued)	
☐ Check ☐ Credit Card ☐ Money ☐ Other ☐ None 3. ADDITIONAL FEES								
Order				Entity	Small I		_	
Deposit			Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Account			Code 1051	(\$) 130	Code 2051	(\$) 65		
			1031	130	2031	65	Surcharge-late filing fee or oath	
Deposit Account			1052	50	2052	25	Surcharge-late provisional	
Number							filing fee or cover sheet	
		20-0778	1053	130	1053	130	Non-English specification	
			1812	2,520	1812	2,520	For filing a request for ex	
Deposit Account				_,		_,	parte reexamination	
Name	Thomas, Kav	den, Horstemeyer Risley, L.L.P.	1804	920*	1804	920*	Requesting publication of	
	1	• • • • • • • • • • • • • • • • • • • •	1				SIR prior to Examiner action	
The Commission	ner is authorized	to: (check all that apply)	1805	1,840*	1805	1,840*	Requesting publication of	
	indicated below	Credit any overpayments	1251	110	2251		SIR after Examiner action	
		23 Oredit any overpayments	1251	110	2251	55	Extension for reply within first month	
		ing the pendency of this application	1252	420	2252	210	Extension for reply within	
☐ Charge fee(s)	indicated below, e	xcept for the filing fee to the above-	'	,		2.0	second month	
identified depo			1253	950	2253	475	Extension for reply within	
	FEE CA	LCULATION	1				third month	
1. BASIC FILING			1254	1,480	2254	740	Extension for reply within	
	Small Entity		1255	2,010	2055	4 005	fourth month	
Fee Fee	Fee Fee	Fee Paid	1255	2,010	2255	1,005	Extension for reply within fifth month	
Code (\$)	Code (\$)	Fee Description	1401	330	2401	165	Notice of Appeal	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		· ·	1402	330			• •	
1001 770	2001 385	Utility Filing Fee 770	1402	330	2402	165	Filing a brief in support of an appeal	
1002 340	2002 170	Design Filing Fee	1403	290	2403	145	Request for oral hearing	
			1451		1451		•	
1003 530	2003 265	Plant Filing Fee	1431	1,510	1451	1,510	Petition to institute a public use proceeding	
1004 770	2004 385	Reissue Filing Fee	1452	110	2452	55	Petition to revive-	
		*					unavoidable	
1005 160	2005 80	Provisional Filing Fee	1453	1,330	2453	655	Petition to revive-	
		SUBTOTAL (1) (\$)770	1,504	4 000			unintentional	
		, , (+),	1501	1,330	2501	665	Utility issue fee (or reissue)	
2. EXTRA CLAII	M FEES FOR UTI	LITY AND REISSUE	1502	480	2502	240	Design issue fee	
		Extra Fee Fee	1503	640	2503	320	Plant issue fee	
		Claims From Paid	1460	130	1460	130	Petitions to the	
		Below			, ,,,,	,,,,	Commissioner	
		21 X 18.00 = 378	1807	50	1807	50	Processing fee for	
	4 - 3** =	1 X 86.00 = 86	II				provisional application	
Claims Multiple (1806	180	1806	180	Submission of Information	
Dependent	P	290.00 = 0	8021	40	8021	40	Disclosure Stmt	
Бороност			0021	40	0021	40	Recording each patent assignment per property	40
Large Entity	Small Entity		H				(times number of properties)	
Fee Fee	Fee Fee	Fee Description	1809	770	2809	385	Filing a submission after final	
Code (\$) 1202 18	Code (\$) 2202 9		II				rejection (37 CFR § 1.129(a))	
1202 18	2202 `9´	Claims in excess of 20	1810	770	2810	385	For each add, invention to be	
1201 86	2201 43	Independent claims in excess of 3	1801	770	2004	205	examined (37 CFR 1.129(b))	
1203 290	2203 145		1001	770	2801	385	Request for Continued Examination (RCE)	
		Multiple dependent claim, if not paid	1802	900	1802	900	Request for expedited exam.	
1204 86	2204 43	**Reissue independent claims over				000	of a design application	
1205 18	2205 9	original patent **Reissue claims in excess of 20	II				· •	
		and over original patent	Other fo	e (specify)			
SUBTOTAL (2) (\$)464			H				SUBTOTAL (3) (\$) 4	0
(\$)404							(4)	
**or number previously paid, if greater; For Reissues, see								
above				ed by Basi	c Filing F	ee Paid		
SUBMITTED BY							Complete (if applicable	2)
						_	combiere (ii abblicanii	-, 1

Telephone Registration No. 38,962 Daniel R. McClure Typed or Printed Name Date In re: Wu

For: Interconnect Structure with Dielectric Barrier

AND FABRICATION METHOD THEREOF

CERTIFICATE OF EXPRESS MAIL

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
14 Pages of Specification
11 Pages of Claims (Claims 1-41)
1 Page of Abstract
4 Pages of Formal Drawings (Figs. 1A-2D)
Credit Card Authorization Form (Amount: \$1274.00)
Declaration (executed)
Assignment/Recordation Form Cover Sheet

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Daniel R. McClure; Reg. No. 38,962

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.

100 Galleria Parkway, N.W.

Suite 1750

Atlanta, Georgia 30339-5948

Our Docket No: 252011-2150

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # EV438687085US.

Date: March 26, 2004

Hui Chin Barnhill